LARGE BEARING PARTS MADE OF STEEL

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Abstract of **EP1158064**

To provide a steel for a large bearing suitable for parts of a large-sized bearing which are excellent in resistance to breakage and rolling fatigue life characteristics. Means for Solution A steel for a large bearing having a chemical composition by mass percentage of 0.80 to 1.30% of C, more than 0.35% and not more than 0.80% of Si, 0.30 to 0.90% of Mn, 0.90 to 1.50% of Cr, one or both of not more than 0.25% of Mo and 0.20 to 1.50% of Ni, the remainder being Fe and inevitable impurities, and exhibiting the following quench-hardenability measured according to a method specified in JIS G 0561: a HRC of 64 or more at J 1.5mm, a HRC of 63 to 66 at J 7mm, a HRC of 37 to 50 at J 15mm, a HRC of 30 to 45 at J 20mm, a HRC of 28 to 38 at J 45mm.